

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings:

CLAIMS:

1-24. (Cancelled)

25. (Previously Presented) A telecommunications network comprising:
a first telecommunications cell having -

a first plurality of antennas oriented for subdividing the first cell into a plurality of sectors, each sector having first and second antennas positioned therein,

a first base station coupled with the first antenna in each of the sectors for controlling wireless communication in the cell at a first frequency for handling traffic on the first frequency, and

a second base station coupled with the second antenna in each of the sectors for controlling wireless communication in the cell at a second frequency for handling traffic on the second frequency; and

a second telecommunications cell adjacent the first cell and having -

a second plurality of antennas oriented for subdividing the second cell into a plurality of sectors, each sector having first and second antennas positioned therein, and

a third base station coupled with the first antenna in each of the sectors for controlling wireless communication at the first frequency for handling traffic on the first frequency, and coupled with the second antenna in each of the sectors for

operating at the second frequency as a pilot beacon for handing off calls to and from the first cell in a soft manner.

26. (Previously Presented) The network as set forth in claim 25, the first frequency being about 1931.25 MHZ.

27. (Previously Presented) The network as set forth in claim 25, the second frequency being about 1933.75 MHZ.

29. (Previously Presented) The network as set forth in claim 25, the third base station being configurable to operate the second frequency for handling traffic or for handing off calls to the first frequency.

30. (Previously Presented) The network as set forth in claim 25, the third base station being configured for operating the second antenna at the second frequency as a pilot beacon for handing off calls to and from the first cell in a soft manner.

31. (Previously Presented) The network as set forth in claim 30, wherein the pilot beacon provides no traffic channels.

32. (Previously Presented) The network as set forth in claim 25, wherein the pilot beacon provides pilot, paging, and synchronization channels.

33. (Previously Presented) The network as set forth in claim 25, wherein the telecommunications network is a CDMA telecommunications network.

34. (Previously Presented) A telecommunications network comprising:

a first telecommunications cell having -

- a first plurality of antennas oriented for subdividing the cell into a plurality of sectors, each sector having first and second antennas positioned therein,

- a first base station coupled with the first antenna in each of the sectors for controlling wireless communication in the cell at a first frequency for handling traffic on the first frequency,

- a second base station coupled with the second antenna in each of the sectors for controlling wireless communication in the cell at a second frequency for handling traffic on the second frequency; and

a second telecommunications cell adjacent the first cell and having -

- a second plurality of antennas oriented for subdividing the cell into a plurality of sectors, each sector having first and second antennas positioned therein, and

- a third base station coupled with the antennas for controlling wireless communication in the cell using selected ones of a defined set of codes for each of the sectors, the base station being configured for dividing the codes between the two antennas in each sector, operating the first antenna at the first frequency for handling traffic on the first frequency, and operating the second antenna at the second frequency as a pilot beacon for handing off calls to and from the first cell in a soft manner.

35. (Previously Presented) A CDMA telecommunications network comprising:

a first telecommunications cell having -

a plurality of antennas oriented for subdividing the cell into a plurality of sectors, each sector having first and second the antennas positioned therein,

a first base station coupled with the first antenna in each of the sectors for controlling wireless communication in the cell at about 1931.25 MHZ for handling traffic on about 1931.25 MHZ,

a second base station coupled with the other one of the antennas in each of the sectors for controlling wireless communication in the cell at about 1933.75 MHZ for handling traffic on about 1933.75 MHZ; and

a second telecommunications cell adjacent the first cell and having -

a second plurality of antennas oriented for subdividing the cell into a plurality of sectors, each sector having two of the antennas positioned therein, and

a third base station coupled with the antennas for controlling wireless communication in the cell using selected ones of a defined set of codes for each of the sectors, the base station being configured for dividing the codes between the two antennas in each sector, operating one of the two antennas at about 1931.25 MHZ for handling traffic on about 1931.25 MHZ, and operating the other of the two antennas at about 1933.75 MHZ as a pilot beacon for handing off calls to and from the first cell

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in a soft manner, wherein the pilot beacon provides pilot,
paging, and synchronization channels, but no traffic channels.